

New metalloendopeptidase of *Morganella morganii* ZM

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Abstract

© 2014 Pleiades Publishing, Ltd. Proteolytic activity, which is inhibited in the presence of o-phenanthroline, was found in *M. morganii* ZM. Unlike grimelysin, intracellular proteases of *M. morganii* ZM actively cleave skeletal muscle actin. Several proteolytic proteins of *M. morganii* ZM were identified in cells by zymography with gelatin. Individual metalloproteinase (35 kDa) was isolated from the *M. morganii* ZM cell lysates by ammonium sulphate fractionation and purified by hydrophobic chromatography.

<http://dx.doi.org/10.1134/S1068162014060156>

Keywords

alignment, BLASTP, metalloendopeptidase, *Morganella morganii*, purification